

# TECHNICAL SPECIFICATIONS

*Please quote for the best option(s) that are same or equivalent to the specifications provided.*

## Physical Specifications

|                            |                                    |
|----------------------------|------------------------------------|
| Dimensions (H x W x D)     | : (240 x 53 x 32) mm               |
| Grip Height                | : 190 mm                           |
| Grip Diameter              | : 32.5 mm (max.)                   |
| Sensor-angle settings      | : 3 Settings (0°, 17.8° and 35.6°) |
| Device Weight with Battery | : 136g                             |
| Smartcane enclosure        | : Polycarbonate                    |

## Environmental Specifications

|                           |                   |
|---------------------------|-------------------|
| Operating Temperature     | : -10 to +50°C    |
| Storage Temperature       | : -25 to +70°C    |
| Relative Humidity Range   | : 15 to 93% (RH)  |
| Storage Humidity Range    | : 0 to 95% (RH)   |
| Barometric Pressure Range | : 700 to 1060 hPa |
| Storage Pressure Range    | : 500 to 1060 hPa |
| Ingress protection        | : IP22            |

## Battery Specifications

|                  |                                 |
|------------------|---------------------------------|
| Type             | : Rechargeable Li-polymer       |
| Rating           | : 3.7V; 400mA                   |
| Size (L x B x W) | : 42.6 x 6.2 x 17.3 mm          |
| Weight           | : 10 g                          |
| Operating Time   | : Max. 8 hrs. of continuous use |
| Charging Time    | : 2 hrs. 30 min.                |

## Charger Specifications

|               |                                       |
|---------------|---------------------------------------|
| Type          | : Travel charger, certified           |
| Power Jack    | : 3.5 mm (interior), 7.8mm (exterior) |
| Input rating  | : 110-230V, 50-60 Hz                  |
| Output rating | : 5.5V, 600mA, 3.5W                   |

### **Detection Characteristics**

|                  |                     |
|------------------|---------------------|
| Sensor Type      | : 40 kHz Ultrasonic |
| Angular Coverage | : 45° (max.)        |
| Resolution       | : 3cm at 3m         |
| Indoor Range     | : 0.03 - 1.8m       |
| Outdoor Range    | : 0.03 - 3.0m       |

### **Vibration Characteristics**

|                     |  |
|---------------------|--|
| Vibration Intensity | : 0.8 m/sec <sup>2</sup> (Avg.)<br>: 0.6 m/sec <sup>2</sup> (Min.),<br>: 1.3 m/sec <sup>2</sup> (Max.) |
| Audible Alarms      | : >65 dB(A)  |

### **White cane specifications**

|                 |                                  |
|-----------------|----------------------------------|
| Number of folds | : 4 - 6 fold                     |
| Length          | : 1.19m                          |
| Diameter        | : 12.80mm (Min) & 13.04 mm (Max) |

### **Standard Accessories**

|            |                  |
|------------|------------------|
| Charger    | : Travel charger |
| White Cane | : 4, 5 or 6 fold |

**Service life:** The expected service life of this product is five years, if it is maintained and used as per the manufacturer's instructions.

### **Effects of pets, pests or children**

No significant effects have been identified on pets and pests, however do not try to use over the pets, pests and children

No significant effects have been identified due to dust, wet and their effect on sensor.